

Pavement Management

OUR GOAL

Deliver civil engineering services at a local level to support sustainable development enhancing the quality of life in communities.

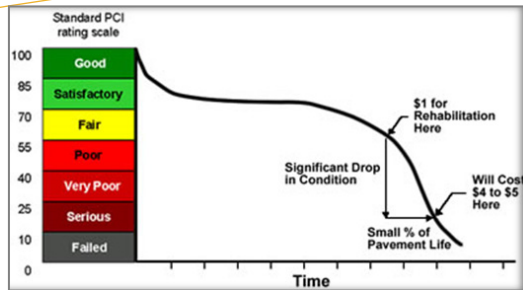
OUR STAFF

Our Team consists of 80 staff members with 15 years of average experience per team member, and 27 licensed professionals. To maintain a high level of expertise and professionalism, Chastain houses a 24/7 online university for staff to access accredited courses to continue their education and further develop their skill set.

QUALITY ASSURANCE

Chastain implements a QA/QC Plan tailored to each project to pledge our commitment in delivering a high-quality project each and every time. This Plan provides a means in which to ensure our efforts are efficient, complete, constructible, and sustainable throughout the duration of the project.

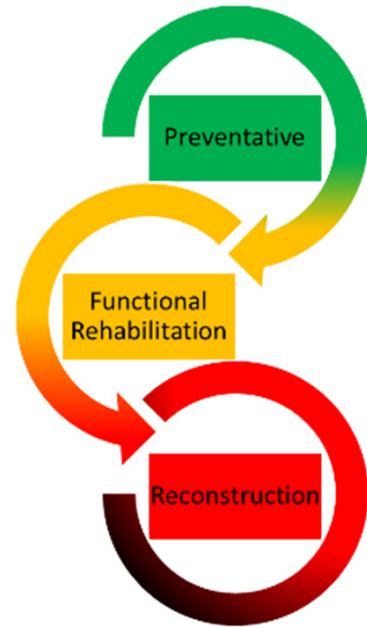
chastainengineers.com
Toll-free 833.4Chastain



Pavement Management is the process of planning the maintenance and repair of a network of roadways or other paved facilities in order to optimize pavement conditions over the entire network.

We offer different levels of pavement management program services that will meet the needs and budgets of local agencies. These programs are designed to allow the local agency managers flexibility to choose the level of involvement of their staff to fit the desired services within their available budgets. If the agency has staff and resources to provide street inspections and program development, we will be there to train their staff to conduct inspections and to develop condition and long-range planning reports. If the in-house staff resources are not available, we have the resources to deliver the desired results.

Knowing the most cost-effective ways to manage and stretch your limited street improvement dollars is critical to local agency street managers. Future use of federal funds will require agencies to demonstrate the pavement condition of their FAU routes based on accepted standards for pavement management condition ratings. We can provide the pavement condition information ensuring your agency meets the standards to



secure federal funding for your future projects.

“Agencies that focus on replacing pavements in poor condition usually discover that by the time they’ve replaced the pavements in poor condition, many of the roads that were in good condition have deteriorated to a level in need of reconstruction.”

To learn more about this service, visit us at chastainengineers.com to see how we assisted the Village of Schaumburg and how our plan format allowed our client to be the only local agency, outside of Chicago to participate with CMAP in developing its pavement management approach now being mandated as a condition of future federal funding.

**CHASTAIN
& ASSOCIATES LLC**
CONSULTING ENGINEERS
SERVICE | SOLUTIONS | COMMITMENT™

Don't be Reactive... Be Proactive!

OUR HISTORY

Homer and his brother Edward Chastain founded the firm in the spring of 1954 in Decatur, Illinois. After being awarded a 909,000 square foot facility expansion project for Caterpillar, the brothers mortgaged everything they owned to meet the increased payroll and staffing demands of the project.

Chastain continued to grow and established itself on the forefront of consulting firms that began to emerge with the creation of the Interstate Highway System in the 1950's and 1960's.

Throughout the decades, Chastain has continued to expand and today has established branch offices in Schaumburg, Rockford, Benton, and Champaign, Illinois, as well as offices in Lafayette, Indiana, Paducah, Kentucky and Beloit, Wisconsin. Most recently, we have strengthened our land development and municipal engineering services while expanding our services in water and wastewater treatment plants and pump stations.

Today, we are guided by the principles of building and maintaining long-lasting client relationships. We are dedicated to providing responsive, quality engineering using a team approach, half a century of hands-on experience alongside current technology.

“Experience has shown that it is far less expensive to keep a pavement in good condition than it is to repair it once it has deteriorated. Proactive pavement management places the priority on preventive maintenance of roads in good condition, rather than reconstructing roads in poor condition. In terms of lifetime cost and long-term pavement conditions, this will result in better network performance.”

Pavement Management Services

We can customize the services below to match the individual needs and requirements of our clients.

Software and Basic Pavement Management Training

Assist in Developing Street Inventory

Street Condition Inspection Training

Street Condition Inspection Assistance

Street Inspection Data Entry

Quality Control Data

Existing Street Network Condition Reports

Providing Pavement Condition data for FAU Routes seeking Federal Funding

3-Year Street Program Recommendation

5-Year Street Program Recommendation

Condition Reports Based on Levels of Funding

Long Life Pavement Rehabilitation Designs

QA/QC New Pavement Testing

The key tasks included in a proactive pavement management plan consist of:

- Inventory of the pavement system, including classification, type of pavement, age, and maintenance history.
- Inspection of the pavement system to determine the current pavement condition, and assigning a rating number (typically 1 to 100) or grouping of the pavements into specific condition areas like good, fair and poor pavements.
- Determine the optimal rehabilitation strategy and implementation timing range for each pavement.
- Based on key program factors such as levels of funding or targeting a specific system pavement condition rating, determine system wide maintenance and repair programs to meet the goals of the agency. The program can range from one year to five or more years. Software programs are very flexible and are able to provide an infinite number of recommended programs as needed.